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Thank you for considering Hubbell

The following pages have been compiled into a single document for your convenience. If you have any questions, please contact your nearest distributor.

Thank you.

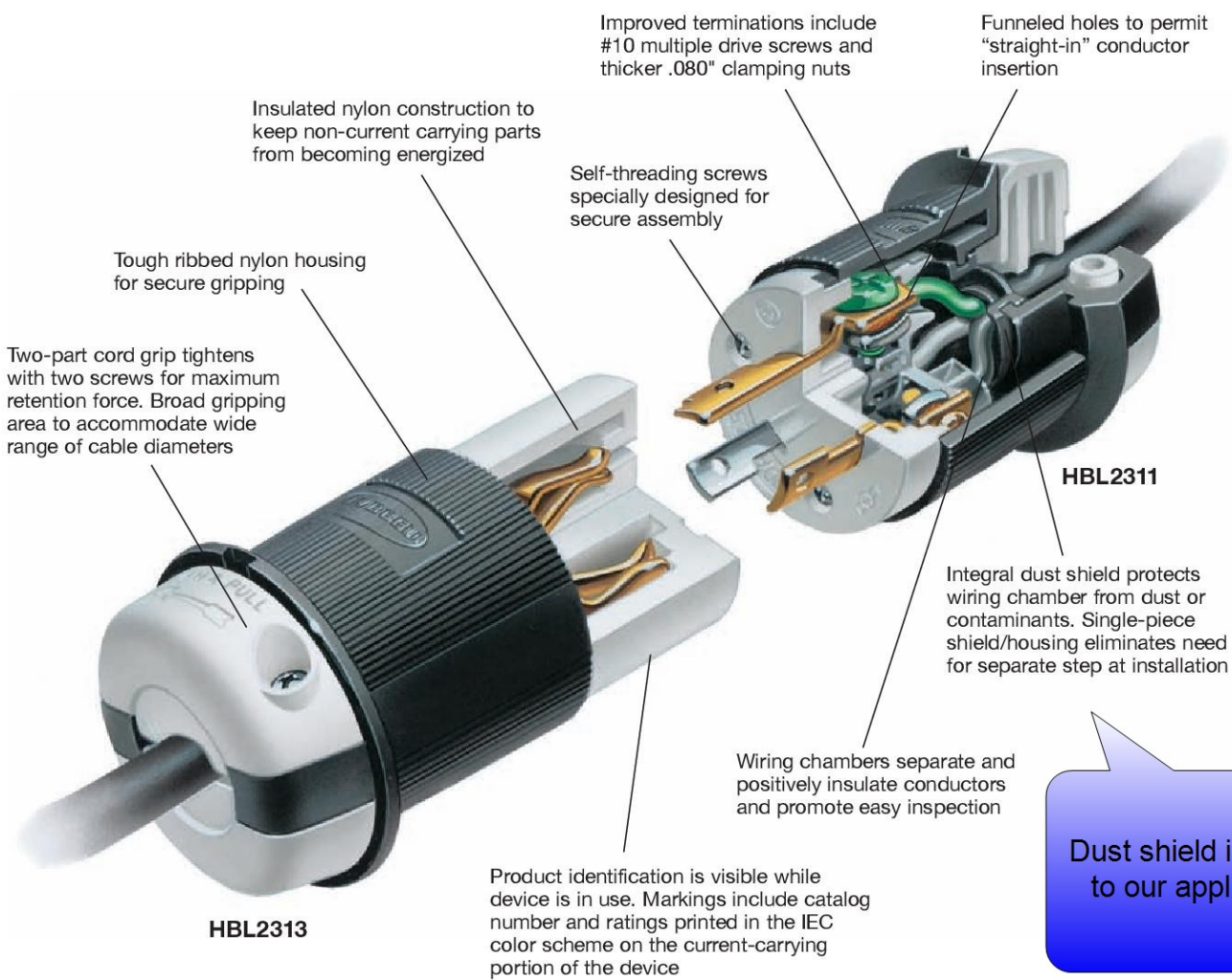




# Twist-Lock® Devices 20 and 30 Ampere Plugs and Connector Bodies

## The Difference Is Insulgrip®...and a Whole Lot More

Features and Benefits



Dust shield is critical to our application

Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the 'industry standard'.

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The restyled cord grips provide a clean, one-piece look, and actually make it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration,

eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.



# Twist-Lock® Devices

## 30 Ampere, 125, 250 Volts and 277 Volts AC

2 Pole, 3 Wire Grounding

### Insulgrip® Plugs and Flanged Inlets



## Plugs

Watertight Safety-Shroud®		IP66 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.325"-.930" (9-24)	HBL2611SW	HBL2621SW	-

Safety-Shroud®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"-.930" (9-24)	HBL2611S	HBL2621S	-

Accessories on page B-40.

Insulgrip®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	HBL2611	HBL2621	HBL2631
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	HBL2611F	HBL2621F	-
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL26CM11	HBL26CM21	-
All black nylon.	.360"-.930" (9-24)	HBL2611BK	HBL2621BK	-

Accessories on page B-51.

Valise®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"-.930" (15.0-23.6)	HBL2611VY	HBL2621VY	-
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	HBL26CM11V	-	-
Black nylon.	.590"-.930" (15.0-23.6)	HBL2611VBK	HBL2621VBK	-

Accessories on page B-51.

## Flanged Inlets

Watertight Safety-Shroud®		IP66 SUITABILITY		
Description	Catalog Number			
Gray Valox® housing and flange.	HBL2615SW HBL2625SW -			

Accessories on page B-54.

Insulgrip®		IP20 SUITABILITY		
Description	Catalog Number			
Nylon casing, back wired.	HBL2615 HBL2625 HBL2635			
Heat stabilized, gray nylon, 220° F (104° C).	HBL2615F HBL2625F -			
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	HBL2615M3 - -			

Accessories on page B-50.

Note: For technical information on Twist-Lock and Watertight Safety-Shroud devices see pages B-69 and B-70.  
For technical information on Valise plugs and connectors see page B-74.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.





# Twist-Lock® and Safety Shroud Devices Technical Information

15-30 Ampere Twist-Lock, 20-30 Ampere Safety-Shroud® Twist-Lock



## Specifications

### Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles),  
Fed. Spec. W-C-596 (Insulgrip® and Safety-Shroud®),  
Certified to CSA Standard C22.2 No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

### Materials

Part	Materials
<b>Plugs and Connector Bodies (Insulgrip®) 15-30A</b>	
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black nylon (yellow in "CM" devices)
Cord Clamp	Natural (white) nylon
Dust Shield	EPDM
Blades/Contacts	Brass
Terminal Clamp	Cold rolled steel – nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Cord Clamp Screws	Steel, zinc plated
Body Holding Screws	Steel, zinc plated

Part	Materials
<b>Safety-Shroud® Receptacles Angle, Surface Semi-Flush 20-30A</b>	
Housing and Mounting Flange	Gray Valox®
Mounting Plate (Angle Housing Only)	Galvanized steel
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Body Holding Screws	Steel, zinc plated
Contact Springs	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Terminal Screws	10-32 Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Plate Screws	Steel, zinc plated
Wallplate Mounting Screws	Steel, zinc plated

### Flanged Inlet/Receptacles 15-30A

Flanged Casing	Natural (white) nylon
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades/Contacts	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Cold rolled steel, nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Screws	Nickel plated brass round head screws
Screw Sizes	15A: 6-32, 3/8" long 20A and 30A: 8-32, 7/16" long

<b>Safety-Shroud® Twist-Lock® Plug 20-30A</b>	
Insulgrip Plug with Safety-Shroud installed	
Safety-shroud	White Valox®
Cord Clamp	White nylon

Receptacle, Single	15A	20A and 30A
Cover (Top)	Nylon (Black)	Nylon (Black)
Base	RTP (Black)	RTP (Natural)
Contact Springs	.031" Brass	.040" Brass
Clamp	.031" Brass	.040" Brass
Ground Contact	.031" Brass	.040" Brass
Ground Shunt	–	.015" Brass
Bridge (Mounting Strap)	.050" Steel, zinc plated	–
End Plates (Mounting)	–	.050" Brass
Back Plate	–	.040" Brass
Terminal Screws	Brass (8-32)	Brass (10-32) (white finish on neutral screw when used)
Grounding Screw	Brass (Green)	Bronze (Green)
Flat Head Mounting Screws	Steel, zinc plated	Steel, zinc plated
Auto Ground Clip	Stainless steel	Stainless steel (Used only on IG receptacle)

Performance	
<b>Electrical</b>	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise Fed. Spec.	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Mechanical	
Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation (Insulgrip)	15A: .230"- .720" (5.8-18.3); 20A and 30A 3W: .360"- .930" (9-24); 20A and 30A 4W-5W: .350"-1.150" (9-29).
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	20A and 30A, #16-#8 AWG. 15A, #18-#10 AWG. Solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device housing.

Environmental	
Flammability (Enclosure)	HB or better per UL94/CSA 22.2 No. 0.17.
Plugs, Connectors, Flanged Receptacles and Flanged Inlets Receptacles (Box Mount)	V2 or better.
Operating Temperatures	Maximum Continuous 75°C. Minimum -40°C (w/o impact).

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